

ABSTRACT OF THE DISCLOSURE

A method of repairing a flow passage is provided that allows prevention of deformation of a tubular assembly after hardening of grout material, to maintain the tubular assembly in a desired cylindrical shape. The method comprises the steps of forming a tubular assembly in a pipe, the tubular assembly having an outer diameter smaller than an inner diameter of the pipe; filling a grout material in a clearance between the tubular assembly and the inner wall of the pipe; disposing a tubular expansible and contractile pressure bag within the clearance between the tubular assembly and the inner wall of the pipe in a longitudinal direction of the pipe; filling the pressure bag with a fluid to expand the pressure bag; and supporting the tubular assembly with the expanded pressure bag. With the foregoing process of the present invention, slight deformation of the tubular assembly due to the pressure of the grout material can be absorbed through elastic deformation of the pressure bag to prevent partial deformation of the hardened tubular assembly, thereby maintaining the overall tubular assembly in the desired cylindrical shape.